Penumbral Lunar Eclipse of 2075 Jan 02

Ecliptic Conjunction = 09:41:23.1 TD (= 09:38:57.4 UT)
Greatest Eclipse = 09:55:03.2 TD (= 09:52:37.5 UT)

Penumbral Magnitude = 0.7714 P. Radius = 1.1883° Gamma = -1.1642
Umbral Magnitude = -0.3271 U. Radius = 0.6461° Axis = 1.0543°

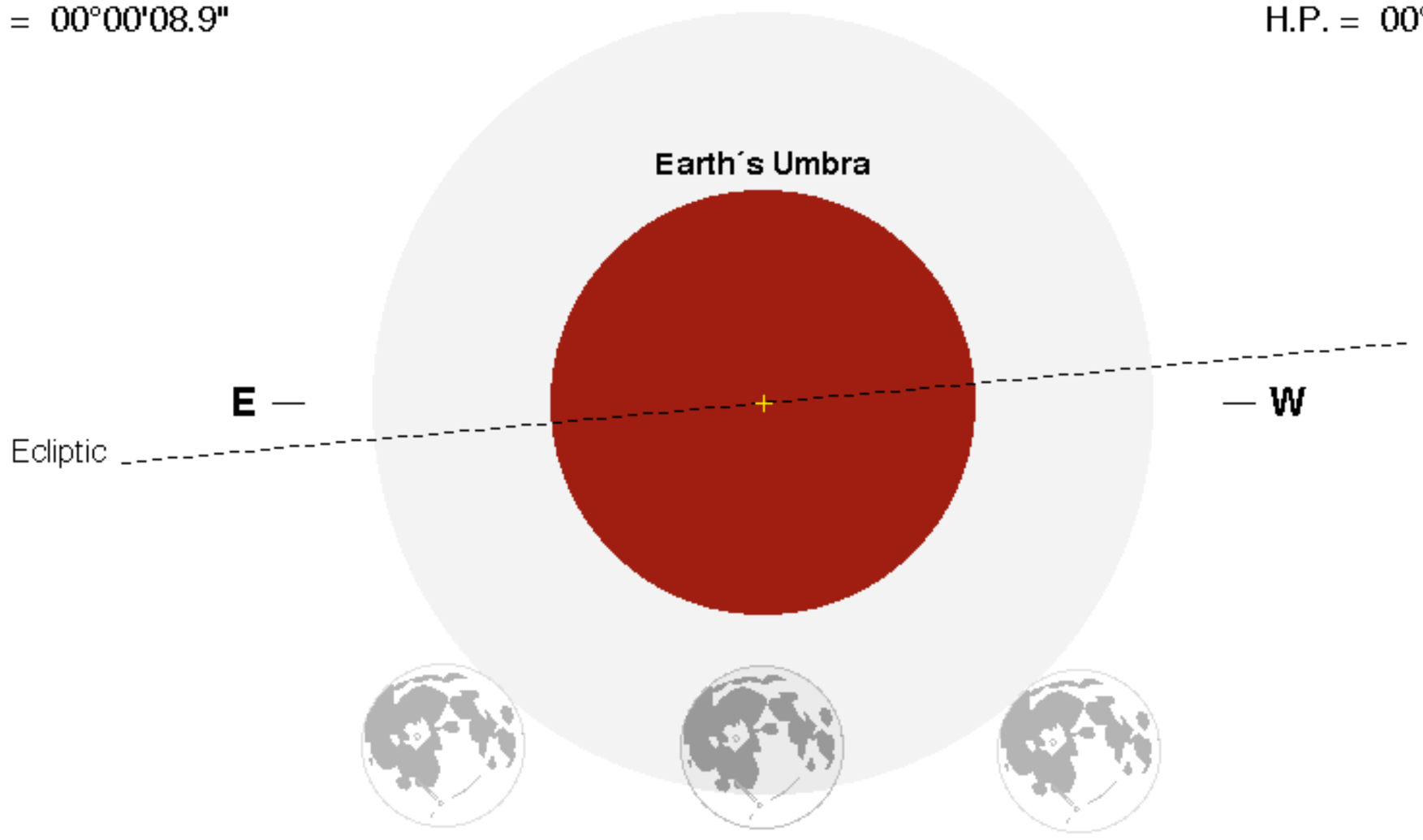
Saros Series = 116 Member = 61 of 73

<u>Sun at Greatest Eclipse</u>
(Geocentric Coordinates)

R.A. = 18h52m38.7s
Dec. = -22°52'37.0"
S.D. = 00°16'15.9"
H.P. = 00°00'08.9"

<u>Moon at Greatest Eclipse</u>
(Geocentric Coordinates)

R.A. = 06h52m40.9s
Dec. = +21°49'21.3"
S.D. = 00°14'48.4"
H.P. = 00°54'20.4"



<u>Eclipse Durations</u>

Penumbral = 04h14m57s

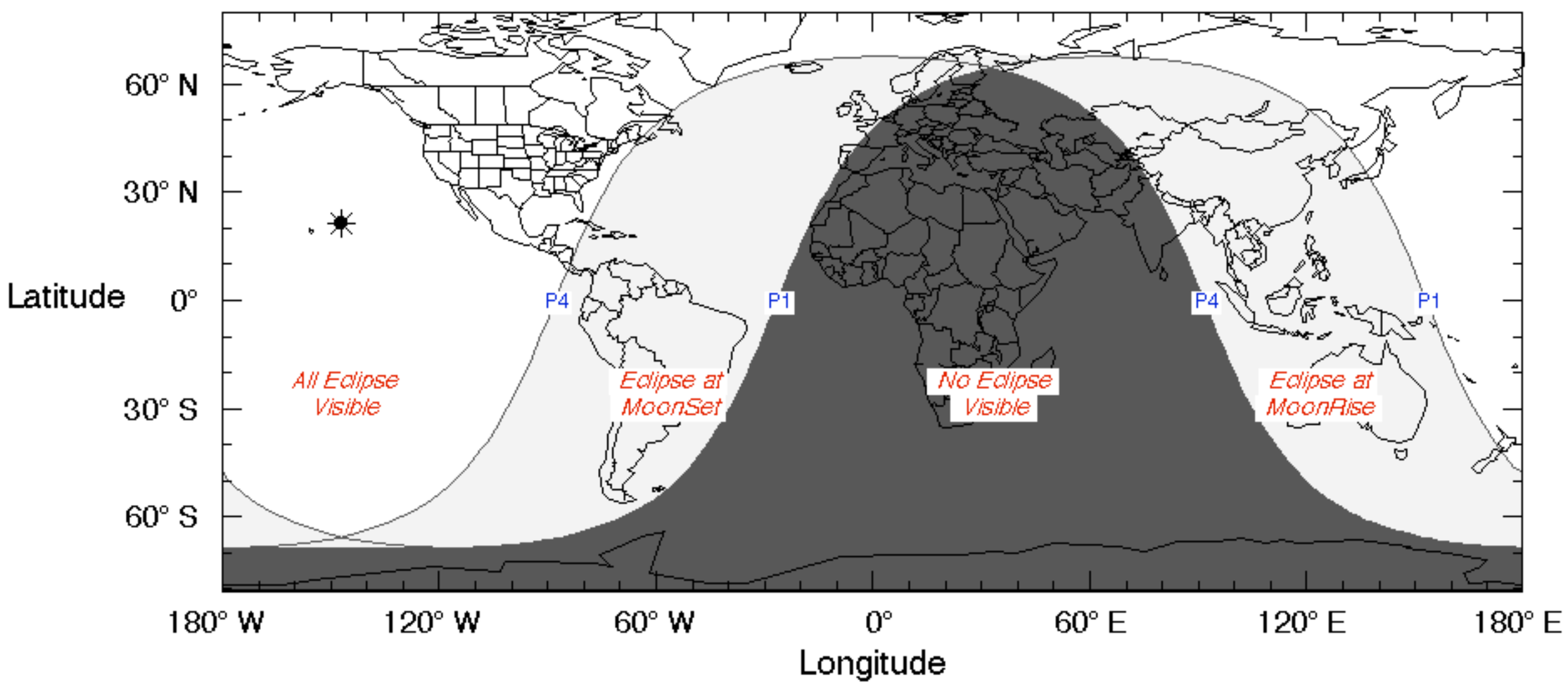
<u>Eclipse Contacts</u>

P1 = 07:45:11 UT
P4 = 12:00:08 UT

0 15 30 45 60
Arc-Minutes

ΔT = 146 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html



2009 Apr 29